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SC65 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13238b

Specification

SC65 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q92791

SC65 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 10609

Other Names
Synaptonemal complex protein SC65, Leprecan-like protein 4, Nucleolar autoantigen No55, LEPREL4, NOL55, SC65

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13238b was selected from the C-term region of SC65. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SC65 Antibody (C-term) Blocking peptide - Protein Information

Name P3H4 (HGNC:16946)

Function
Part of a complex composed of PLOD1, P3H3 and P3H4 that catalyzes hydroxylation of lysine residues in collagen alpha chains and is required for normal assembly and cross-linking of collagen fibrils. Required for normal bone density and normal skin stability via its role in hydroxylation of lysine residues in collagen alpha chains and in collagen fibril assembly.

Cellular Location
Endoplasmic reticulum

Tissue Location
Detected in fibroblasts (at protein level) (PubMed:23959653). Detected in spleen, prostate, testis, ovary, colon, pancreas, kidney, placenta and heart (PubMed:10952778)

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SC65 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SC65 Antibody (C-term) Blocking peptide - Images

SC65 Antibody (C-term) Blocking peptide - Background

This nucleolar protein was first characterized because itwas an autoantigen in cases on interstitial cystitis. The protein,with a predicted molecular weight of 50 kDa, appears to belocalized in the particulate compartment of the interphasenucleolus, with a distribution distinct from that of nucleolarprotein B23. During mitosis it is associated with chromosomes.

SC65 Antibody (C-term) Blocking peptide - References

Foster, L.J., et al. J. Proteome Res. 5(1):64-75(2006)Fossa, A., et al. Br. J. Cancer 83(6):743-749(2000)Ochs, R.L., et al. Mol. Biol. Cell 7(7):1015-1024(1996)